



FortiAP-S and FortiAP-W2 5.6.0 Release Notes

VERSION 5.6.0

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FortiAP-S and FortiAP-W2 5.6.0 Release Notes

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Change Log

Date	Change Description
April 28, 2017	Initial release.

Introduction

This document provides the following information for FortiAP-S and FortiAP-W2 version 5.6.0 build 0281:

- [Supported models](#)
- [What's new in FortiAP-S and FortiAP-W2 5.6.0](#)
- [Upgrade Information](#)
- [Product Integration and Support](#)
- [Resolved Issues](#)
- [Known Issues](#)

For more information on upgrading your FortiAP device, see the [FortiWiFi and FortiAP Configuration Guide](#).

Supported models

FortiAP-S and FortiAP-W2 version 5.6.0 supports the following models:

FortiAP-S	FAP-S311C, FAP-S313C, FAP-S321C, FAP-S321CR, FAP-S322C, FAP-S322CR, FAP-S323C, FAP-S323CR, FAP-S421E, FAP-S422E, FAP-S423E
FortiAP-W2	FAP-421E, FAP-423E



FAP-421E and FAP-423E don't have UTM functionality.

What's new in FortiAP-S and FortiAP-W2 5.6.0

The following is a list of new features and enhancements in FortiAP-S and FortiAP-W2 version 5.6.0:

- New IPS engine (v3.410) and AV engine (v5.239) in FortiAP-S platforms
- DFS support on more SKUs:
 - FAP-S421E-J, FAP-S423E-J, FAP-421E-J, FAP-423E-J
 - FAP-S421E-K, FAP-S423E-K, FAP-421E-K, FAP-423E-K
 - FAP-S421E-N, FAP-S422E-N, FAP-S423E-N, FAP-421E-N, FAP-423E-N
 - FAP-S421E-S, FAP-S422E-S, FAP-S423E-S, FAP-421E-S, FAP-423E-S
 - FAP-S421E-V, FAP-S422E-V, FAP-S423E-V, FAP-421E-V, FAP-423E-V
- Energy-Efficient Ethernet (IEEE 802.3az), supported by FAP-S421E, S422E, S423E, 421E and 423E
- Reduced function operation with IEEE 802.3af PoE, supported by FAP-S421E, S423E, 421E and 423E
- Fast Failover between FortiGate WiFi controllers (mode "1+1" only)

- New security option for CAPWAP data channel: IPsec VPN
- Multiple PSK for WPA2-Personal SSID
- QoS profile in SSID configuration:
 - Traffic shapers per VAP and per client
 - WiFi multi-media (WMM) call admission control
 - Override DSCP mappings for WMM clients
- Enhanced SSI roaming:
 - Fast BSS Transition (IEEE 802.11r)
 - Voice Enterprise (IEEE 802.11k and 802.11v assisted roaming)
- External captive-portal framework on local-bridging SSID:
 - CMCC portal
 - FortiGate authentication portal
- Channel Utilization
- FortiPresence supports promiscuous detection on home and foreign channels
- Sensor Mode in WIDS profile (previous "rogue-scan" setting)
- Local-standalone SSID improvements:
 - "custom" Schedule configured by FortiCloud
 - PMF support (WPA2-Personal/Enterprise)
 - Lease time for NAT-mode DHCP IP assignment
 - OKC support for NAT mode
- FAP region and country code adjustment:
 - Albania, Tanzania, and Zimbabwe now belong to region "E"
 - Kazakhstan belongs to region "P"
 - Yemen belongs to region "V"
 - Algeria belongs to region "I"

Upgrade Information

Upgrading from FortiAP-S and FortiAP-W2 version 5.4.3 or later

FortiAP-S and FortiAP-W2 5.6.0 supports upgrading from FortiAP-S and FortiAP-W2 5.4.3.

Downgrading to previous firmware versions

FortiAP-S and FortiAP-W2 5.6.0 does not support downgrading to previous firmware versions.

Firmware image checksums

The MD5 checksums for all Fortinet software and firmware releases are available at the Customer Service & Support portal, <https://support.fortinet.com>. After logging in select *Download > Firmware Image Checksums*, enter the image file name including the extension, and select *Get Checksum Code*.

Product Integration and Support

FortiAP-S and FortiAP-W2 5.6.0 support

The following table lists FortiAP-S and FortiAP-W2 version 5.6.0 product integration and support information.

FortiAP-S and FortiAP-W2 5.6.0 support

Web Browsers	<ul style="list-style-type: none">• Microsoft Internet Explorer version 11• Mozilla Firefox version 41• Google Chrome version 47• Safari version 8 <p>Other web browsers may function correctly, but are not supported by Fortinet.</p>
FortiOS	5.6.0 and later

Resolved Issues

The following issues have been fixed in version 5.6.0. For inquiries about a particular bug, please contact [Customer Service & Support](#).

Bug ID	Description
293357	Mesh-leaf FAP now can associate with PMF-enabled mesh-backhaul SSID.
301726	Sniffer mode did not work on 802.11ac radio.
365728	A workaround for "Wave 2" FAP to recover from random Rx Hang issue.
378694	On 2.4GHz band, channels 8 and 9 didn't use upper channel after configured channel-bonding 40MHz.
396045	Fixed DNS rotation issue to improve the display of social-media authentication page for FortiCloud captive portal SSID.
402200	FAP lost a few beacon frames on 2.4GHz radio with multiple SSIDs configured.
402227	Fixed kernel crash on mesh-leaf FAP when mesh-backhaul SSID was configured with WPA/WPA2 (auto) Personal.
409852	FortiCloud captive portal with social-media login was not working consistently.

Common vulnerabilities and exposures

FortiAP-S and FortiAP-W2 5.6.0 are no longer vulnerable to the following CVE Reference:

- 2017-3731
- 2017-3730
- 2017-3732
- 2016-7055

Visit <https://fortiguard.com/psirt> for more information.

Known Issues

The following issues have been identified in version 5.6.0. For inquiries about a particular bug or to report a bug, please contact [Customer Service & Support](#).

Bug ID	Description
276655	The USB port on all FortiAP-S models is disabled.
374645	FAP-S models do not support spectrum-analysis feature.
400441	"Wave 2" FAP/FAP-S models cannot customize data rate and MCS index settings.



High Performance Network Security



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